

WHEELED VEHICLE CHARACTERISTICS

	CW²	GVW²
WEIGHTS (lb) Sprung Unsprung		
SYSTEM C.G. (in)¹ Lateral Fore-aft Vertical		
SPRUNG MASS C.G. (in)¹ Lateral Fore-aft Vertical		
SYSTEM MOMENTS OF INERTIA (lb-in-sec²) Pitch Roll Yaw		
SPRUNG MASS MOMENTS OF INERTIA (lb-in-sec²) Pitch Roll Yaw		
SPRUNG MASS NATURAL FREQUENCIES (cyc/sec) Bounce Pitch Roll		
Vehicle Vertical C.G. (in)		
Vehicle Track Width (in)		
Roll Stiffness (in-lb/deg) Station 1 Suspension Station 2 Suspension Station 3 Suspension . . . Station n Suspension		
Roll Center Height (in)		
DRIVER'S POSITION (in)¹ Lateral Fore-aft Vertical		

WHEELED VEHICLE SUSPENSION CHARACTERISTICS

	Left	Right
WHEEL SPACING (in) Station 1 Station 2 Station 3 . . . Station n		
WHEEL TRAVEL (in)³ Station 1 Jounce Rebound Station 2 Jounce Rebound Station 3 Jounce Rebound . . . Station n Jounce Rebound		
AXLE LOADS (lb) Station 1 Station 2 Station 3 . . . Station n		
WHEEL RATE (lb/in) Station 1 Station 2 Station 3 . . . Station n		
SHOCK RATE (lb/in/s²) Station 1 Station 2 Station 3 . . . Station n		

WHEELED VEHICLE TIRE CHARACTERISTICS

	CW ²	GVW ²
TIRE INFLATION PRESSURES (psi) Station 1 Station 2 Station 3 . . . Station n		
TIRE DEFLECTIONS (in) Station 1 Station 2 Station 3 . . . Station n		

¹ State all position data relative to a point on the ground below the center of the front axle.

² **Curb Weight (CW)** Curb weight of the vehicle shall be defined as the empty vehicle weight, full compliment of fuels, fluids, lubricants, coolant, and BII

Gross Vehicle Weight (GVW) Gross vehicle weight defined as CW plus the weight of 2 soldiers (4 soldiers desired) and their individual equipment and weapons, trailer tongue weight (10 percent of the towed load GVW), supplemental armor, and payload (payload includes mission essential support equipment, unique digital appliqué, and non-mission essential kits, such as cargo compartment heater kit and cargo compartment protection kit). The planning factor per soldier with individual equipment is 343 pounds (weight estimates per Brigade Combat Team developmental weights). (*Ref. FTTS MSV CDD 4.0.3.2*)

³ As measured from static position